

# Receiving Report

Date: 17-5-8

Batch No: 137464

Supplier: monroe

Dart P/O: 36192

Packing Slip: Yes ✓ No      
 Invoice: Yes ✓ No      
 Receipt: Cash     Cr ✓  
 New Supplier Yes     No ✓

Release Note Attached: Yes ✓ No     N/A      
 Waybill Attached: Yes ✓ No      
 Shipment Complete: Yes     No ✓ N/A      
 QC18 Inspection     N/A ✓  
 Work Order     N/A ✓

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver QC12 SP

Production/Admin:      
 Date      
 Received/Costing      
 Initial    

Location



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO36192

Purchase Order Date 5/4/2017

PO Print Date 5/8/2017

Page Number 1 of 4

Order From :  
MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

REVISED

Contact Name  
Vendor Phone 1-321-727-0047  
  
Ship To Contact  
Ship To Phone  
Ship Via: FedEx Economy collect  
Ship Acct:

Buyer  
Customer POID  
Customer Tax #  
Terms  
Currency  
FOB  
Chantal Lavoie  
10127-2607  
Net 30  
USD  
FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	AN4-41A	Bolt	5/9/2017 Yes 5/9/2017		41.00 Each	\$0.84	\$34.44
						Line Total:	\$34.44
2	AN4-6A	BOLT	5/9/2017 Yes 5/9/2017	FN	600.00 Each	\$0.14	\$84.00
						Line Total:	\$84.00
3	AN5-32A	Bolt	5/9/2017 Yes 5/9/2017		120.00 Each	\$0.68	\$81.60

SP175-8

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO36192**

Purchase Order Date 5/4/2017

PO Print Date 5/8/2017

Page Number 2 of 4

**Order From :**

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

1-321-727-0047

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Economy collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

FCA - (Free Carrier)

**Line Total:**

**\$81.60**

4

AN5-42A

Bolt

5/9/2017 FN

Yes

5/9/2017

10.00

Each

\$1.85

\$18.50

**Line Total:**

**\$18.50**

5

AN6-13A

BOLT

5/9/2017

Yes

5/9/2017

20.00

Each

\$0.50

\$10.00

**Line Total:**

**\$10.00**

6

MS21042L08

Nut

5/9/2017 FN

Yes

5/9/2017

300.00

Each

\$0.15

\$45.00

**Line Total:**

**\$45.00**

Note:

5/8/2017

QTH-5-8-



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO36192

Purchase Order Date 5/4/2017

PO Print Date 5/8/2017

Page Number 3 of 4

Order From :

VU-EC001

Ship To : DART AEROSPACE LTD

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone

1-321-727-0047

Ship To Contact

Ship To Phone

Ship Via:

FedEx Economy collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

7 MS21075L3N

NUT PLATE

5/9/2017

Yes

5/9/2017

300.00

Each

\$0.50

\$150.00

Line Total:

\$150.00

8 MS27039-08-19

Screw

5/9/2017

Yes

5/9/2017

200.00

Each

\$0.14

\$28.00

Line Total:

\$28.00

9 71401-45

PROCUREMENT  
QUALITY CLAUSES

5/9/2017

No

5/9/2017

1.00

\$0.00

\$0.00

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS

FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A043 RETENTION OF QUALITY DOCUMENT

Note:

5/8/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO36192**

Purchase Order Date 5/4/2017

PO Print Date 5/8/2017

Page Number 4 of 4

**Order From :**

VU-EC001

**Ship To :** DART AEROSPACE LTD

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

1-321-727-0047

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Economy collect

**Ship Acct:**

**Buyer**

**Customer POID**

**Customer Tax #**

**Terms**

**Currency**

**FOB**

Chantal Lavoie

10127-2607

Net 30

USD

FCA - (Free Carrier)

**Line Total:** \$0.00

**PO Total:** \$451.54

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr:

6

Change Date: 5/8/2017

# ECAS, LLC

## CUSTOMS INVOICE

No: H999863

### Package Details:

### Deliver To:

Number of Pieces: 1 Total Weight: 40.3	<b>DART AEROSPACE LTD.</b> <b>ATTN: RECEIVING</b> <b>1270 ABERDEEN STREET</b> <b>HAWKESBURY, ON K6A 1K7</b> <b>CANADA</b>
---	---

Carrier	A/W Bill	Flight Number/Date	House A/W Bill
113- FX INT ECONOMY 151793240	665765288313		

Qty	Part No.	Description	Serial Number	Origin	Value	Ext Value	Cust PO#
41	AN4-41A	BOLT UNDRILLED		USD	\$0.840	\$34.440	PO36192
600	AN4-6A	BOLT UNDRILLED		USD	\$0.140	\$84.000	PO36192
120	AN5-32A	BOLT UNDRILLED		USD	\$0.680	\$81.600	PO36192
10	AN5-42A	BOLT UNDRILLED		USD	\$1.850	\$18.500	PO36192
20	AN6-13A	BOLT UNDRILLED		USD	\$0.500	\$10.000	PO36192
300	MS21042L08	SELF LOCKING NUT		USD	\$0.150	\$45.000	PO36192
300	MS21075L3N	NUTPLATE		USD	\$0.500	\$150.000	PO36192
200	MS27039-0819	STRUCTURAL SCREW		USD	\$0.140	\$28.000	PO36192

SP17-5-8

Total: \$451,540
Home Total: \$451,540

The goods are supplied to you under the terms of your end-use.  
 I do hereby declare to the best of my knowledge the invoice to be true and correct.

Signed: _____ For and on behalf of ECAS, LLC	Inspectors Stamp
---	------------------



# PACKING SLIP

INVOICE #: 599289  
 DATE PRINTED: 5/5/2017  
 TIME: 4:14:21 PM  
 # OF ITEMS: 8  
 PAGE: 1

TO: DART AEROSPACE LTD.  
 ACCTS. PAYABLE  
 1270 ABERDEEN STREET  
 HAWKESBURY, ON K6A 1K7  
 CANADA

SHIP TO: DART AEROSPACE LTD.  
 ATTN: RECEIVING  
 1270 ABERDEEN STREET  
 HAWKESBURY, ON K6A 1K7  
 CANADA

ATTN: CHANTAL LAVOIE  
 Ph: 613.632.3336 Fax: 613.632.5246

INVOICE DATE: 5/5/2017  
 ORDER DATE: 5/5/2017  
 SHIP DATE: 5/5/2017  
 SALES ORDER #: 531882  
 CUSTOMER #: 16754

TERMS: NET 30  
 CUST PO: PO36192  
 FOB: MELBOURNE, FL

WEIGHT: 40.3  
 # OF BOXES: 1  
 SHIPMENT #: 0

SHIP VIA: 113- FX INT ECONOMY

AWB: 665765288313

YOUR MONROE ACCOUNT REP: Luis Sepulveda

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM
1	AN4-41A BOLT UNDRILLED	41.00	109.00	NE		
	MFR: AFC LOT: 12903 REV: 3					
	Control #: 152195-3					
2	45/41 NV FL AN4-6A BOLT UNDRILLED	600.00	0.00	NE		
	MFR: AFC LOT: 22267					
	Control #: 124690-2					
3	AN5-32A BOLT UNDRILLED	120.00	0.00	NE		
	MFR: AFC LOT: 15137					
	Control #: 133737-4					
4	AN5-42A BOLT UNDRILLED	10.00	0.00	NE		
	MFR: RVT LOT: 4953					
	Control #: 137712-1					
5	AN6-13A BOLT UNDRILLED	20.00	0.00	NE		

SPECIAL INSTRUCTIONS:

We Thank You For Your Continued Business!

MONROE TAX ID: 47-3784072

SP17-58.

ECAS, LLC dba MONROE AEROSPACE

399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331

**PACKING SLIP**

INVOICE #: 599289  
DATE PRINTED: 5/5/2017  
TIME: 4:14:22 PM  
# OF ITEMS: 8  
PAGE: 2

**TO:** DART AEROSPACE LTD.  
ACCTS. PAYABLE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

ATTN: CHANTAL LAVOIE  
Ph: 613.632.3336 Fax: 613.632.5246

**SHIP TO:** DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

INVOICE DATE: 5/5/2017      TERMS: NET 30      WEIGHT: 40.3      SHIP VIA: 113- FX INT ECONOMY  
ORDER DATE: 5/5/2017      CUST PO: PO36192      # OF BOXES: 1  
SHIP DATE: 5/5/2017      FOB: MELBOURNE, FL      SHIPMENT #: 0  
SALES ORDER #: 531882  
CUSTOMER #: 16754      AWB: 665765288313      YOUR MONROE ACCOUNT REP: Luis Sepulveda

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM
6	Control #: 153591-1 MS21042L08 SELF LOCKING NUT MFR: AFC LOT: 24352	300.00	0.00	NE		
7	Control #: 137980-1 MS21075L3N NUTPLATE MFR: ALCOA LOT: 36894	300.00	0.00	NE		
8	Control #: 131275-1 MS27039-0819 STRUCTURAL SCREW MFR: CRESCENT LOT: 80838	200.00	0.00	NE		
	Control #: 128337-1					

SP17-5-8

SPECIAL INSTRUCTIONS:

*We Thank You For Your Continued Business!*

**MONROE TAX ID: 47-3784072**

**ECAS, LLC dba MONROE AEROSPACE**

**399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331**





MONROE TAX ID: 47-3784072

# Invoice

INVOICE #: 599289  
DATE PRINTED: 5/5/2017  
TIME: 4:14:03 PM  
# OF ITEMS: 8  
PAGE: 1

**TO:** DART AEROSPACE LTD.  
ACCTS. PAYABLE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

ATTN: CHANTAL LAVOIE  
Ph: 613.632.3336 Fax: 613.632.5246

**SHIP TO:** DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

INVOICE DATE: 5/5/2017  
ORDER DATE: 5/5/2017  
SHIP DATE: 5/5/2017  
SALES ORDER #: 531882  
CUSTOMER #: 16754

TERMS: NET 30  
CUST PO: PO36192  
FOB: MELBOURNE, FL

WEIGHT: 40.3  
# OF BOXES: 1  
SHIPMENT #: 0

SHIP VIA: 113- FX INT ECONOMY

AWB: 665765288313

YOUR MONROE ACCOUNT REP: Luis Sepulveda

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM	TOTAL AMT
1	AN4-41A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000 MFR: AFC LOT:12903 REV: 3	41.00	109.00	NE	0.8400	EA	\$34.440
2	45/41 NV FL AN4-6A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000 MFR: AFC LOT:22267	600.00	0.00	NE	0.1400	EA	\$84.000
3	AN5-32A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000 MFR: AFC LOT:15137	120.00	0.00	NE	0.6800	EA	\$81.600
4	AN5-42A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000 MFR: RVT LOT:4953	10.00	0.00	NE	1.8500	EA	\$18.500
5	AN6-13A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000 MFR: AFC LOT:25482 REV: 3	20.00	0.00	NE	0.5000	EA	\$10.000
6	MS21042L08 SELF LOCKING NUT MFR: AFC LOT:25482 REV: 3	300.00	0.00	NE	0.1500	EA	\$45.000

SPECIAL INSTRUCTIONS:

SA75-8

We Thank You For Your Continued Business!

ECAS, LLC dba MONROE AEROSPACE

399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331



MONROE TAX ID: 47-3784072

# Invoice

INVOICE #: 599289  
 DATE PRINTED: 5/5/2017  
 TIME: 4:14:06 PM  
 # OF ITEMS: 8  
 PAGE: 2

**TO:** DART AEROSPACE LTD.  
 ACCTS. PAYABLE  
 1270 ABERDEEN STREET  
 HAWKESBURY, ON K6A 1K7  
 CANADA

ATTN: CHANTAL LAVOIE  
 Ph: 613.632.3336 Fax: 613.632.5246

**SHIP TO:** DART AEROSPACE LTD.  
 ATTN: RECEIVING  
 1270 ABERDEEN STREET  
 HAWKESBURY, ON K6A 1K7  
 CANADA

INVOICE DATE: 5/5/2017      TERMS: NET 30      WEIGHT: 40.3      SHIP VIA: 113- FX INT ECONOMY  
 ORDER DATE: 5/5/2017      CUST PO: PO36192      # OF BOXES: 1  
 SHIP DATE: 5/5/2017      FOB: MELBOURNE, FL      SHIPMENT #: 0  
 SALES ORDER #: 531882      YOUR MONROE ACCOUNT REP: Luis Sepulveda  
 CUSTOMER #: 16754      AWB: 665765288313

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM	TOTAL AMT
7	ECCN#: 9A991 SCHB#: 7318.16.0030 MFR: AFC      LOT:24352	300.00	0.00	NE	0.5000	EA	\$150.000
	MS21075L3N NUTPLATE						
8	ECCN#: 9A991.d SCHB#: 7318.16.0000 MFR: ALCOA      LOT:36894	200.00	0.00	NE	0.1400	EA	\$28.000
	MS27039-0819 STRUCTURAL SCREW						
	ECCN#: 9A991 SCHB#: 7318.15.4000 MFR: CRESCENT      LOT:80838						
*** Order Not Complete ***							

## SPECIAL INSTRUCTIONS:

*SP17-58*

We Thank You For Your Continued Business!

SUB TOTAL:	\$451.540
TAX TOTAL:	\$0.000
MISC CHARGE:	\$0.000
FREIGHT:	\$0.000
TOTAL:	\$451.54
	USD

ECAS, LLC dba MONROE AEROSPACE

399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331



# CERTIFICATE OF CONFORMITY

NO: 599289

**BILL TO:**

DART AEROSPACE LTD.  
ACCTS. PAYABLE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

**SHIP TO:**

DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

CUSTOMER PO	SHIP DATE	AIRWAY BILL/TRACKING #
PO36192	5/5/2017	665765288313

PART NO:	Description	CND	QTY	S/L	
AN4-41A	BOLT UNDRILLED	NE	41	21	LOT: 12903 MFR: AFC
REV: 3	Customer Reference:				
AN4-6A	BOLT UNDRILLED	NE	600	39	LOT: 22267 MFR: AFC
	Customer Reference:				
AN5-32A	BOLT UNDRILLED	NE	120	22	LOT: 15137 MFR: AFC
	Customer Reference:				
AN5-42A	BOLT UNDRILLED	NE	10	13	LOT: 4953 MFR: RVT
	Customer Reference:				
AN6-13A	BOLT UNDRILLED	NE	20	29	LOT: 25482 MFR: AFC
REV: 3	Customer Reference:				
MS21042L08	SELF LOCKING NUT	NE	300	62	LOT: 24352 MFR: AFC
	Customer Reference:				
MS21075L3N	NUTPLATE	NE	300	78	LOT: 36894 MFR: ALCOA
	Customer Reference:				
MS27039-0819	STRUCTURAL SCREW	NE	200	13	LOT: 80838 MFR: CRESCENT
	Customer Reference:				

CONDITIONS: NE - New OH-OVERHAULED RP-REPAIRED SV-SERVICEABLE

We hereby certify that the items that are a part of this Purchase Order have been visually & dimensionally found to conform to all applicable standards, drawings & specifications. The liability of ECAS, LLC is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days & liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

SIGNED:

For and on behalf of ECAS, LLC dba MONROE AEROSPACE

ECAS, LLC dba MONROE AEROSPACE  
399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975

**2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199**

## CERTIFICATE OF CONFORMANCE

**ECAS LLC**

I Hereby Certify that on 01/26/17 Airfasco Industries provided the supplies called for by Contract/ PO Number FL78457 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7009 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

Quality Assurance Representative

  
WM. DENT

[illegible]



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

**PHYSICAL AND CHEMICAL CERTIFICATION**

DATE MFG.: 11/10/14

PART NO.: AN4-41A per NASM4-41A rev. 3

AFC LOT NO.: 12903

QTY MFG.: 66,550

PROCUREMENT SPECIFICATION: Produced per NASM 6812

**HEAT TREAT**

VENDOR: Brite Metal

CERTIFICATION NO.: B-135010

PROCUREMENT SPECIFICATION: Heat Treat per MIL-H-6875 H

**PLATING**

VENDOR: Beringer Plating

CERTIFICATION NO.: 42386

PROCUREMENT SPECIFICATION: Cadmium Plate per AMS QQ-P-416, Type II, Class 2, F

**MATERIAL**

MILL: Republic/BCS

COUNTRY OF MELT: USA

HEAT: 532087

GRADE SPECIFICATION: Alloy Steel per AMS 6300 E, Type 4037, .275"

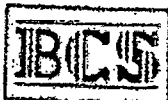
4037 MATERIAL CHEMISTRY											
ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AL-	Other
LADLE	.360	.750	.015	.006	.280	.022	.021	.210	.029	.043	

PHYSICAL PROPERTIES				
PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	4,080 lbs.	3,130 lbs.	3,680 lbs.	HRC 26-32
ACTUAL	5,229 lbs.	4,685 lbs.	4,226 lbs.	HRC 29-30

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries  
Quality Assurance Representative:

T. West



Bluff City Steel, LLC  
P.O. Box 13191  
Memphis TN 38113

Phone (901) 946-1005  
Fax (901) 948-6266

## Material Certification

**Sold To**

Airfasco Industries, Inc.  
2655 Harrison Avenue SW

Canton, Ohio 44706

**Ship To**

Airfasco Industries  
2655 Harrison Avenue SW

Canton, Ohio 44706

Purchase Order 40144  
Order 18143  
Heat/Lot 532087  
Customer Part  
Tensile 75734  
Customer Spec  
Bill of Lading # 28151

Product Rod CHQ Anneal P/LUBE 7.0 4037 Silicon Killed Fine Grain Round

Vendor Arcelor  
Origin U.S.A.

Order Notes

### Product Specification Testing

Results

Results

### Heat Chemistry

Al	C	Cr	Cu	Mn	Mo	N	Ni
0.0430	0.3600	0.0210	0.0290	0.7500	0.2100	0.0090	0.0220
P	S	Si					
0.0150	0.0080	0.2800					

RECEIVED  
OCT 30 2006

Approved By :

*[Signature]*

Date :

*10/25/06*



A DIVISION OF J.T. ADAMS CO., INC.

4520 WILLOW PARKWAY  
CLEVELAND, OHIO 44125  
PHONE (216) 641-3290  
FAX (216) 641-1223  
www.tensile.com

**CERTIFIED TEST REPORT**

Airfasco Industries Inc.  
2655 Harrison Ave. SW  
Canton OH 44706

Job No.: B4-190-740  
Date: 7-10-14  
Cust. PO#: 61092

Description: 1 sample Mill: Republic Steel Country of Melt: USA  
Material: 4037 Heat# 532087  
Spec: AMS 6300E

**TEST RESULTS**

**Product Analysis of Elements in % (OES per TTML C-011):**

	<u>Actual</u>	<u>Requirements</u>
Carbon	0.38	0.35-0.40
Manganese	0.77	0.70-0.90
Phosphorus	0.023	0.040 Max.
Sulfur	0.011	0.040 Max.
Silicon	0.29	0.15-0.35
Chromium	0.02	0.20 Max.
Nickel	0.02	0.25 Max.
Molybdenum	0.20	0.20-0.30
Columbium	0.006	N/A
Aluminum	0.051	N/A
Copper	0.04	0.35 Max.
Vanadium	0.002	N/A
Titanium	0.004	N/A

The above conforms to specifications listed.

*Tracy Wagoner*  
Authorized Agent



Page 1 of 1

**This Report May Not Be Reproduced Except In Full**

This report represents Tensile Testing interpretation of the results obtained from the test and is not to be construed as a Warranty or Warranty of the condition of the materials tested. Tensile Testing shall not be held liable for misinterpretation of conditions, loss, damage, injury or death arising from or attributable to delay preceding a test or subsequent to performance of a test.

CERTIFICATE OF COMPLIANCE

Approved by Bruce Hogie  
Revision Date: 3-9-04

SUPPLIER: BERINGER PLATING, INC.  
1211 DeValera Ave.  
Akron, OH 44310

CUSTOMER: Airfasco Industries, Inc.

Purchase Order Number 16565

Part Number AN4-41A

Rev.         

Lot Quantity 4,134 lbs.

42386

Specification - Cad/QQ-P-416F Amendment 3 Ty 2 Cl 2

Coating thickness .0003"

Baking (if required) N/A Hours at          F

Inspection Level to applicable standard:

S-3 of MIL.-STD.-105D: 4 %

ASTM B602 Table II: 1.50%

Aircraft Braking System: 1%

ACC. X

Gordon

Certified By:

James Beringer Jr.  
James Beringer Jr.  
President

Date: 12/20/06



**CERTIFICATION OF PROCESS**

**BRITE METAL TREATING, INC.  
8640 BESSEMER AVENUE  
CLEVELAND, OHIO 44127**

**CUSTOMER: AIRFASCO INDUSTRIES, INC.**

**2655 Harrison Ave., S.W.**

**Canton, OH 44706**

**THIS IS TO CERTIFY THAT BRITE METAL TREATING INC. HAS PROCESSED THE  
FOLLOWING MATERIAL IN ACCORDANCE WITH MOST WIDELY ACCEPTED  
METALLURGICAL PROCEDURE.**

**AFC P.O. NO.** 16547 **WEIGHT** 4,134# **NO. BINS** 5  
**DESCRIPTION** AN4-41A **LOT NO.** 12903 **HEAT NO. -** 532087  
**BMT ORDER NO: B-** 135010 **Core Hardness Specifications:** 28-32RC  
**DATE RECEIVED** 12/7/06 **DATE SHIPPED** 12/11/06

**HEAT TREATING TEST RESULTS**

**NUMBER OF SAMPLES** 15 pcs

**CORE HARDNESS** 28-30RC

**INSPECTOR** U.L.

**SIGNED**

**TITLE** C.E.O.

**DATE** 12/9/06

**RECEIVED**

**DEC 11 2006**

*Coard*

# AIRFASCO Industries

2655 Harrison Avenue SW Canton, OH 44706

## Nondestructive Testing Certification Wet Fluorescent Magnetic Particle Inspection Technique

### Part Data

Part Number	Lot Number	Dimensions	Part Description
AN4-41A	12903	1/4-28 x 4 5/32	BOLT-MACHINE, AIRCRAFT

### Reference Data

Specification	Procedure Number	Acceptance Criteria
ASTM E1444	MT-1	No Cracks, NASM 6812

### Inspection Equipment Data

Model Number	Manufacturer	Serial Number
H-800 Retro	Magnaflux Corporation	91R00150

### Inspection Material Data

Particles	Mfr	Batch No.	Carrier	Mfr	Batch No.
14A	Magnaflux	10G078	MG II	Magnaflux	14B056

### Technique Data

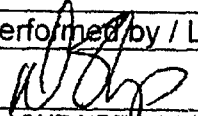
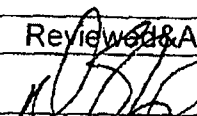
Type Current	Circular Field		Longitudinal Field	
	Headshot Amps	Central Conductor Amps	Coil shot Amps	Coil Turns
FWDC	170	N/A	520	5

Particle application by the flow method, continuous technique  
Demagnetization performed by the AC Coil method, Residual field +/- 2

### Inspection Results

Lot Size	Inspection Sample Size	Quantity accepted	Quantity rejected
66074	80	80	0

Notes:

Performed by / Level	Reviewed & Approved by:	Date
 D. SHOUP ASNT NDT LIII#176608	 D. SHOUP ASNT NDT LIII#176608	8/5/14



**2655 HARRISON AVE. SW  
CANTON, OH 44706  
PHONE: (330)430-6190  
FAX: (330)430-6199**

## CERTIFICATE OF CONFORMANCE

## EAST COAST AVIATION

I Hereby Certify that on 2/15/13 Airfasco Industries provided the supplies called for by Contract/ PO Number 65702 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

  
WM. DENT

Quality Assurance Representative

[illegible]



**MAC FASTENERS, INC.**  
1110 E. ENTERPRISE  
OTTAWA, KS 66067

**CERTIFICATE  
OF  
CONFORMANCE**

CUSTOMER M & M Aerospace		P. O. NUMBER OR4787
PART NUMBER NAS517-2-00 Rev 4		LOT NUMBER 15137
QUANTITY 110,000	MATERIAL HEAT NUMBER D48300	DATE 3/5/02

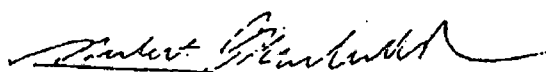
WE HEREBY CERTIFY THAT THE PARTS FURNISHED  
AGAINST THE ABOVE REFERENCED PURCHASE ORDER  
WERE PROCESSED IN CONFORMANCE WITH ALL AP-  
PLICABLE DRAWINGS AND SPECIFICATIONS. OBJEC-  
TIVE EVIDENCE OF COMPLIANCE ARE ON FILE SUBJECT  
TO EXAMINATION UPON REQUEST.

**RECEIVED**

SEP 16 2004

P102333-01-01  
AERO FASTENER CO., INC.





QUALITY ASSURANCE  
Robert MacDonald, President

3/5/02

DATE

River Valley Tool and Manufacturing, Inc.  
260 Airport Road  
P.O. Box 64  
Paris, AR 72855

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURE'S AFFIDAVIT**

Customer: Bild Industries

Certification Date: 09/25/2013

Customer PO: 81934

Part Number: AN5-42A

Revision: 2


Manufactures Lot Number: 4953

Quantity: 1,881

Country of Origin: United States of America

DFARS 252.225-7014, Alternate 1 Compliant

We certify that the parts furnished against the above referenced purchase order were manufactured by River Valley Tool and Manufacturing, Inc. within the USA, and were processed in conformance with all applicable drawings and specifications. Objective evidence of compliance is on file, subject to examination upon request.

  
Quality Assurance Representative

River Valley Tool & Mfg., Inc. is registered to the requirements of ISO9001:2008 and AS9100C  
Approval Certificate No. 0063064. SAI GLOBAL

**2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199**

## CERTIFICATE OF CONFORMANCE

**ECAS**

I Hereby Certify that on **04/11/17** Airfasco Industries provided the supplies called for by Contract/ PO Number **FL79150** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7009 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

**Quality Assurance Representative**

**WM. DENT**

[illegible]



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

### PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 01/08/16 PART NO.: AN6-13A per NASM6-13A rev. 3  
AFC LOT NO.: 25482 QTY MFG.: 24,400  
PROCUREMENT SPECIFICATION: Produced per NASM 6812

### HEAT TREAT

VENDOR: Brite Metal CERTIFICATION NO.: 171014  
PROCUREMENT SPECIFICATION: Heat Treat per AMS 2759

### PLATING

VENDOR: Beringer Plating CERTIFICATION NO.: 91405  
PROCUREMENT SPECIFICATION: Cadmium Plate per AMS-QQ-P-416 D, Type II, Class 2

### MATERIAL

MILL: Evrast/Michigan Wire COUNTRY OF MELT: USA HEAT: 102137  
GRADE SPECIFICATION: Alloy Steel per AMS 6300 E, Type 4037, .390"

#### 4037 MATERIAL CHEMISTRY

ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AL-	Other
LADLE	.380	.770	.012	.001	.240	.070	.070	.219	.050	.040	

#### PHYSICAL PROPERTIES

PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	10,100 lbs.	7,740 lbs.	8,280 lbs.	HRC 26-32
ACTUAL	12,956 lbs.	12,692 lbs.	8,939 lbs.	HRC 29-30

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

QS-082  
REV 0  
2/15

Airfasco Industries  
Quality Assurance Representative:

  
T. West



# Michigan Wire Tech, LLC

2487 West Main Street  
Lowell, MI 49331  
Phone (616) 897-6080  
Fax (616) 897-6228

SOLD TO

G3 Steel Group/o AIRFASCO  
2655 HARRISON AVE SW  
CANTON, OH 44706  
USA

WORK ORDER  
F2330

## CERTIFICATION

HEAT NO.  
1Q2137  
SALES ORDER / RLS  
F2330 / 1  
ISO 9001-2008 REGISTERED

CERT# 911.01

CUSTOMER P.O. 61667-2	CUSTOMER PART	QUANTITY 10,304 Lbs	CARRIERS 4	LADING NO 00117024	SHIPMENT DATE 04/27/2015					
SPECIFICATION G614037-303900-MA A-4037, AKFG, CHQ WIRE, SAFS Zinc Phosphate and Lube Coating, Size:0.389/0.391										
CERTIFICATION REQUIREMENTS										
Chemical Properties										
C 0.38	Si 0.24	Mn 0.77	P 0.012	S 0.001	Cu 0.05	Ni 0.07	Cr 0.07	Mo 0.219	Al 0.040	N 0.0042
Physical Properties										
Mill Source Grain Size Rocky Mounta — 6										
Mechanical Properties										
TEST	UNITS	Results								
% Spheroidization	%	85								
Tensile Strength	KSI	73.8								
<small>Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law, Title 18, Chapter 47.</small>										
<small>REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.</small>										
<small>Wire Tech, Inc. metallurgical laboratory is accredited in the following tests: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, IP1 140, inclusion rating per ASTM E 40, decarburization performed as per IP1 140. The reported Chemical and Physical Properties are Mill Source results. Transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.</small>										
<small>TEST RESULTS RELATE ONLY TO THE ITEMS TESTED. "LATEST REVISIONS OF ASTM"</small>										
<small>DEFAR Material per Clauses 252.225-7014 ALT. 1, 252.225-7009, &amp; 225.003(9)</small>										
<small>Material is free of mercury, radium, or alpha contamination.</small>										





# Michigan Wire Tech, LLC

2487 W. Main Street ph(616)897-6080  
P.O. Box 70 fx(616)897-6226  
Lowell, MI 49331

THIS REPORT SHALL NOT BE REPRODUCED IN WHOLE  
OR IN PART WITHOUT THE PRIOR WRITTEN APPROVAL  
OF MICHIGAN WIRE TECH LLC

We hereby certify that test results shown are correct as  
contained in the records of the company. These results  
relate only to the items tested.

Kevin Day Director of Quality Assurance

*Kevin Day*

## Test Report

36110

Purchase Order - Sold To 61293 H7962		Purchase Order - Ship To		Sold To G3	
Vendor Michigan Wire Tech LLC 2487 West Main St. Lowell, MI 49331		Report Date 10-6-14	J# J123012		
		Shipped Date	Packing Slip #	Ship To	
Specification NA	Size 390	Grade 4037	Quantity 2	Weight 10142	

Tensile KSI	Hardness HRB	ROA %	Spheroidization % Minimum	Decarb 0.001 Inches TAD
71.6	80	70.3	90	1

Heat Analysis (wt. %) All tests were performed by Michigan Wire Tech LLC, unless otherwise specified, in accordance with the following: Mechanical Properties per ASTM E8, Rockwell Hardness per ASTM E18, Spheroidization per IFI-140 and Decarburization per ASTM E1077. All tests performed to the current standard date, unless otherwise noted.

Heat #	C	Mn	P	S	Si	Cu	Ni	CR	MO	AL	B	SN	V	N	CB	MILL
1Q2137A	.38	.77	.012	.001	.24	.05	.07	.07	.219	.040	.0001	.002	.006	.0042		EVRAZ



A DIVISION OF J.T. ADAMS CO., INC.

4520 WILLOW PARKWAY  
CLEVELAND, OHIO 44125  
PHONE (216) 641-3290  
FAX (216) 641-1223  
www.tensile.com

**CERTIFIED TEST REPORT**

Airfasco Industries Inc.  
2655 Harrison Ave. SW  
Canton OH 44706

Job No.: 1501-15-0685  
Date: 1-19-15  
Cust. PO#: 61593

Description: 1 sample Mill: Evraz Country of Melt: USA

Material: 4037 Heat# 1Q2137

Spec: AMS 6300E

**TEST RESULTS**

**Product Analysis of Elements in % (OES per TTML C-01D):**

	<u>Actual</u>	<u>Requirements</u>
Carbon	0.38	0.35-0.40
Manganese	0.80	0.70-0.90
Phosphorus	0.008	0.040 Max.
Sulfur	<0.001	0.040 Max.
Silicon	0.23	0.15-0.35
Chromium	0.06	0.20 Max.
Nickel	0.07	0.25 Max.
Molybdenum	0.22	0.20-0.30
Columbium	<0.001	N/A
Aluminum	0.045	N/A
Copper	0.05	0.35 Max.
Vanadium	0.006	N/A
Titanium	0.003	N/A

The above conforms to specifications listed.

  
Authorized Agent



Page 1 of 1

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## **CERTIFICATION OF PROCESS**

**CUSTOMER:** AIRFASCO INDUSTRIES, INC  
2655 HARRISON AVE SW  
CANTON OH 44706

**THIS IS TO CERTIFY THAT BRITE METAL INC. HAS PROCESSED THE FOLLOWING MATERIAL IN ACCORDANCE WITH THE MOST WIDELY ACCEPTED METALLURGICAL PROCEDURE.**

**PO #:** 62330      **WEIGHT:** 1,429      **NO. BINS:** 1      **NO. PCS:** 24,400

**PN#:** AN6-13A      **LOT#:** 25482      **MATERIAL#:** 4037

**BM ORDER NO:** 171014      **CORE HARD SPECS:** HRC 28-32

**PROCESS TO:** AMS 2759

**DATE RECEIVED:** 12/01/15      **DATE SHIPPED:**

### **HEAT TREATING TEST RESULTS**

**CORE HARDNESS:** \_\_\_\_\_ **RC 29 / 30** \_\_\_\_\_

**SURFACE HARDNESS:** \_\_\_\_\_ **RC 29 / 30 @.003** \_\_\_\_\_

**CASE DEPTH:** \_\_\_\_\_ **N/A** \_\_\_\_\_

**CORE HARDNESS AS QUENCHED:** \_\_\_\_\_ **N/A** \_\_\_\_\_

**INSPECTOR:** \_\_\_\_\_ **SK** \_\_\_\_\_

**DATE:** \_\_\_\_\_ **12-14-15** \_\_\_\_\_

Approved by Bruce Hogle  
Revision Date: 2/13/2013

## CERTIFICATE OF COMPLIANCE

SUPPLIER: **BERINGER PLATING, INC.**  
1211 DeValera Ave.  
Akron, OH 44310  
330-633-8409 Fx 330-633-8447  
[sales@beringerplating.com](mailto:sales@beringerplating.com)

CUSTOMER: Airfasco Industries, Inc.

Berlinger Invoice: 91405

P.O. Number: 62396

Part Number: AN6-13A

Lot Number: 25482-01

Lot Quantity: 24,400 pcs

Specification: Cadmium Plate per AMS-QQ-P-416D Type II, Class 2

Mercury Free Clause: No possibility exists for mercury contamination to occur during processing or testing of parts on this contract.

Coating Thickness: .0003 inches

Embrittlement Relief

Baked: N/A Hours at        F Within 1 Hour of Plating.

Inspection Level to applicable standard:

S-3 of MIL.-STD.-105D:

4 %

ASTM B602 Table II:

1.50%

Aircraft Braking System:

1%

ACC. X

Certified By:

James Beringer Jr.  
James Beringer Jr.  
President

Date: 1/5/2016

# AIRFASCO Industries

2655 Harrison Avenue SW Canton, OH 44706

## Nondestructive Testing Certification Wet Fluorescent Magnetic Particle Inspection Technique

### Part Data

Part Number	Lot Number	Dimensions	Part Description
AN6-13A	25482	.3750-24 X 1.453	BOLT-MACHINE, AIRCRAFT

### Reference Data

Specification	Procedure Number	Acceptance Criteria
ASTM E1444	MT-1	No Cracks, NASM6812

### Inspection Equipment Data

Model Number	Manufacturer	Serial Number
H-800 Retro	Magnaflux Corporation	91R00150

### Inspection Material Data

Particles	Mfr	Batch No.	Carrier	Mfr	Batch No.
14A	Magnaflux	10G078	MG II	Magnaflux	14B056

### Technique Data

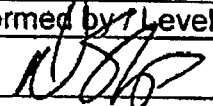
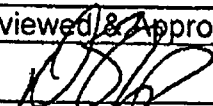
Type Current	Circular Field		Longitudinal Field	
	Headshot Amps	Central Conductor Amps	Coil shot Amps	Coil Turns
FWDC	250	N/A	1990	5

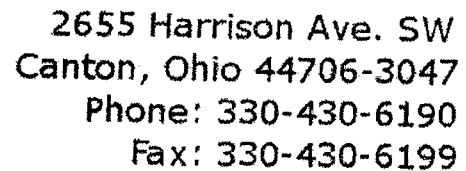
Particle application by the flow method, continuous technique  
Demagnetization performed by the AC Coil method, Residual field +/- 3

### Inspection Results

Lot Size	Inspection Sample Size	Quantity accepted	Quantity rejected
24400	50	50	0

Notes:

Performed by Level	Reviewed & Approved by:	Date
		1/8/16
D. SHOUP ASNT NDT LEVEL III	D. SHOUP ASNT NDT LIII #176608	

[illegible]

**Alcoa  
Fastening  
Systems**



Aerospace Products · Republic Operations

**QUALITY OPERATING FORM**

Document: **F-10.700.6**  
Revision: **4**  
Date: **December 21, 2012**  
DCN: **2055**

**CERTIFICATE OF TEST**

WE HEREBY CERTIFY THAT ALL MATERIALS USED IN THE MANUFACTURE OF PARTS COVERED BY THE REPORT CONFORM TO THE MATERIAL SPECIFICATIONS CALLED FOR BY THE PURCHASE ORDER. WE FURTHER CERTIFY THAT THE PARTS ARE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS OR SPECIFICATIONS CURRENT ON THE DATE OF MANUFACTURE. TEST REPORTS COVERING MATERIALS IN THESE PARTS AND INDICATING CONFORMANCE WITH APPLICABLE SPECIFICATIONS ARE ON FILE AND SUBJECT TO EXAMINATION. PARTS AS SHIPPED HAVE NEVER BEEN IN CONTACT WITH MERCURY. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY.

PARTS MANUFACTURED IN: ☐ U.S.A. ☒ MEXICO

☒ IN ACCORDANCE WITH: DFAR 252.225.7014 ALT. I and DFAR 252.225.7009

Deefina Martinez  
Signature of Quality Assurance Representative

10-08-13  
Date



P.O. No:	<u>83240</u>	Item No:	<u>MS21075L3 REV.2</u>
Quantity Ordered:	<u>99,280</u>	Date Cert Ordered:	<u>10-08-13</u>
Customer:	<u>AIRCRAFT FASTENERS</u>	ID No.:	<u>36894</u>
Description:	<u>ASSEMBLY</u>	Procurement Spec.:	<u>NASM25027</u>
Also Certified To:	<u>MS21075L3N NAS1068RA3 REV.13</u>	Additional Info:	<u>RFM20A3</u>
Date of Manufacture:	<u>4-06-13</u>		

Notice to Subsequent Purchaser or Repacker.  
These articles are imported. The requirements of 19 U.S.C. 1304 & CFR part 134 provide that the articles or their containers must be marked in a conspicuous place as legibly, indelibly & permanently as the nature of the article or container will permit, in such a manner as to indicate to an ultimate purchaser in the United States, the English name of the country of origin of the article.

**IF APPLICABLE, CHECK ON BELOW:**

☐ **FAA CERTIFICATION (PMA):** IT IS HEREBY CERTIFIED THAT (A) THE PARTS AND/OR MATERIALS REFLECTED HERE-IN WERE PRODUCED UNDER FEDERAL AVIATION ADMINISTRATION APPROVED MANUFACTURING AND QUALITY CONTROL SYSTEMS/METHODS AS SET FORTH IN FEDERAL AVIATION REGULATION, PART 21, SUB-PART K, PARAGRAPH 21.303 AND (B) ALL PARTS AND/OR MATERIALS ARE CERTIFIED NEW, CONFORMS TO THE DESIGN DATA AND ARE IN AIR WORTHY CONDITION.

Signature of Quality Assurance Representative

Date

☒ **TSO-C148 STATEMENT:** THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH TSO-C148. THE CONDITIONS AND TESTS REQUIRED FOR TSO APPROVAL OF THIS ARTICLE ARE MINIMUM PERFORMANCE STANDARDS. AIRCRAFT FASTENERS APPROVED UNDER THIS TSO ARE NOT NECESSARILY INTERCHANGEABLE WITH OTHER AIRCRAFT FASTENERS APPROVED UNDER THIS TSO. FASTENERS OF SIMILAR DIMENSIONAL PROPERTIES MAY HAVE WIDELY VARYING PERFORMANCE AND METALLURGICAL PROPERTIES. SUBSTITUTION OF PARTS MAY ONLY BE DONE IS ACCEPTABLE TO OR APPROVE BY THE ADMINISTRATOR.

Deefina Martinez  
Signature of Quality Assurance Representative

10-08-13  
Date

6302

Nº 80838

# CERTIFICATE OF COMPLIANCE TEST REPORT

FORM REV A 11/09

MADE IN THE U.S.A.

CUSTOMER NAME EAST COAST AVIATION SUPPL

PART NO. MS27039-0819\* REV 3

PURCHASE ORDER NO. 65200

INTERNAL ROUTING NO. 31531

QUANTITY TWENTY FIVE THOUSAND

MATERIAL/SPECIFICATION .176 A-8740 WIRETECH 10189930

DATE 7/29/2013

PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS.

## PHYSICAL PROPERTIES

TENSILE STRENGTH HARDNESS SCALE

- |                |    |
|----------------|----|
| 1) 2025.0 LB T | 1) |
| 2) 2000.0 LB T | 2) |
| 3) 1999.0 LB T | 3) |
| 4) 2021.0 LB T | 4) |
| 5) 2028.0 LB T | 5) |
| 6)             | 6) |
| 7)             | 7) |
| 8)             | 8) |

CONFORMS TO THE PROCUREMENT SPECIFICATIONS OF:

NASM 7839

DFARS 252.225-7009

OTHER MECHANICAL TEST DATA

- ☐ MEET MAGNETIC PERMEABILITY REQUIREMENTS OF FF-S-92B, MIL-I-17214B, AND ASTM A342/A 342M TEST METHOD 3.

PARTS ARE FREE FROM MERCURY AND ASBESTOS CONTAMINATION.  
VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY

FINISH

CAD TYPE 2 CLASS 2 PER AMS QQ-P-416 REV C

OTHER TESTING:

INSPECTED TO: ANSI/ASQ Z1.4 LEVEL 2

ADDITIONALLY, AN ANSI/ASQC Z 1.4 SAMPLE OF THE FINISHED FASTENERS WERE TESTED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS. SAMPLE PARTS AND THE TEST DATA ARE IN OUR RECORDS RETENTION AREA AS OBJECTIVE EVIDENCE AND WILL BE HELD AS REQUIRED.

Signature

TRACEY NIKSA, QC TECH

Cage Code #63020

CRESCENT MANUFACTURING OPERATING, CO.



700 George Washington Turnpike, Burlington, CT 06013, U.S.A.  
Telephone: (860) 673-2591 Fax: (860) 673-5973